

Message

From: Wayne Miller [Miller.Wayne@azdeq.gov]
Sent: 6/28/2018 5:00:30 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]
CC: steve [steve@uxopro.com]
Subject: 2018-6-28 - wafb - OK - TechLaw step out well locations ST012 Containment

ADEQ doesn't have issue with proposed items. Couple of things to consider. The proposed wells and list are good, but will the wells be too close to the EBR area for all zones? The aerial photo may not show all existing wells in ST012 area. Please check past records to see if contaminants in any zone may already be beyond the proposed well sites. Is well LSZ 44 or other wells out there somewhere?

Reiterating my bosses' points: (1) ADEQ opinion is "plume" is the operative word. Regardless if the hydrocarbon mass is stable or migrating, the RODA2 indicates the "plume" will be monitored (2) The contaminants of concern must be reduced to the target concentrations. Disregard AMEC decision concentrations. (3) Agreed, the plume is not characterized. But focus on the where the plume will be on RODA2 time frames and have USAF prove aquifer restored. (4) Responsible party is USAF. Focus on USAF.

From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]
Sent: Thursday, June 28, 2018 8:57 AM
To: Wayne Miller <Miller.Wayne@azdeq.gov>; steve <steve@uxopro.com>
Subject: 2018-6-28 - wafb - TechLaw step out well locations ST012 Containment - cda epa

Wayne

I am in the process of merging the two lists above that I got from Eva and Techlaw into a single list to give to AF as a statement of what we require to contain the site. Would ADEQ like to weigh in on this?

Carolyn d'Almeida
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"Because a waste is a terrible thing to mind..."

From: d'Almeida, Carolyn K.
Sent: Wednesday, June 27, 2018 12:08 PM
To: Huang, Judy <Huang.Judy@epa.gov>
Subject: FW: TechLaw Deliverable - Williams AFB - Containment Plan for Site ST012

I don't know when and if you've heard from Phil about the technical discussion; but here is what I got from both Techlaw and Eva Davis on what is needed to assure site containment. I'll work on merging the two sets of recommendations into one document to eliminate the overlap

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"Because a waste is a terrible thing to mind..."

From: Goers, Nicole [<mailto:Nicole.Goers@TechLawInc.com>]

Sent: Wednesday, June 27, 2018 5:22 AM

To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>

Cc: Indira Balkissoon <Indira.Balkissoon@TechLawInc.com>; Sand, Alison <Alison.Sand@TechlawInc.com>; Brasaemle, Karla <Karla.Brasaemle@TechLawInc.com>

Subject: TechLaw Deliverable - Williams AFB - Containment Plan for Site ST012

Carolyn,

Attached please find TechLaw's preliminary strategy to ensure an appropriate containment plan for Site ST012 is developed. This preliminary strategy includes: (1) Collection of Groundwater Levels to Develop Groundwater Elevation Contour Maps, (2) Installation of Monitoring Wells Beyond Perimeter Well/Downgradient Wells; (3) Evaluation of Extraction at Downgradient Well Locations; and, (4) Establishment of Containment Criteria.

Additional monitoring wells in the Cobble Zone (CB), Upper Water Bearing Zone (UWBZ), and Lower Saturated Zone (LSZ) are recommended, as shown on the attached three figures taken from Resubmitted Final Pilot Study Implementation Work Plan for Operable Unit 2, Revised Groundwater Remedy, Site ST012, Former Williams Air Force Base, Mesa, Arizona, dated April 5, 2018.

As always, we appreciate this opportunity to assist EPA Region 9 and look forward to providing continued support. If you have any questions or comments, please feel free to contact me at (312) 345-8926.

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